

**Work Order ID 73711****\*73711\***

Page 1

Wednesday, February 08, 2012 11:12:29 AM

Item ID: D205-665-015

Accept

**\*N900040100\***Setup Start **\*NS1\***

Revision ID:

Item Name: Cable Guard

Stop **\*NS2\***

Start Date: 9/14/2011 Start Qty: 1.00

**\*1\***

Cust Item ID:

Required Date: 9/15/2011 Req'd Qty: 1.00

**\*1\***

Customer: CU-DAR001

Reference: RMA RA111277 - RETURN - DISA ~~Hardware~~

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start **\*NR1\***

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D205-665	F								

100 QC5- Inspect part completeness to step on W/O 0.00

**\*100\***

QC

Quality Control

Memo

0.00

INSPECT RA 111277 D205-665-015 B 70162

KIT IS UNDER OLD REV\* PER ECN 11-661\*  
CABLE GUARDS ARE NO LONGER GOOD  
SCRAP CABLE GUARDS

RETURN HARWARE AND PARTS UNDER ORIGINAL BATCH NUMBER

CHG002 5/26/13

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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**NOTE:** Date & initial all entries

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**\*73711\***

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Start Date: 9/14/2011 Start Qty: 1.00 **\*1\***

Cust Item ID:

Required Date: 9/15/2011 Req'd Qty: 1.00 **\*1\***

Customer: CU-DAR001

Reference: RMA RA111277 - RETURN

Approvals: Process Plan: *mf* Date: 12-02-08 Tooling:

Run Start **\*NR1\***

QC: Date: SPC (Y/N):

Date:

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

110

0.00

**\*110\***

Packaging

Memo

0.00

Packaging

REMOVE D2916-1/3/5/7  
AND SCRAP PARTS

RETURN REMAINING PARTS AND HARWARE UNDER ORIGINAL  
BATCH NUMBER:

NAS1149D0463J X 2  
MS21042L4 X 8  
D2915 X 4  
D2570 X 8  
D2529 X 2  
AN4-55A X 4  
AN4-47A X 4

120

**\*120\***

QC

Quality Control

QC4-100% Inspect Kits for completeness

0.00

Memo

0.00

*12/2/13*

*12-02-13*

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Start Date: 9/14/2011 Start Qty: 1.00

**\*1\***

Cust Item ID:

Required Date: 9/15/2011 Req'd Qty: 1.00

**\*1\***

Customer: CU-DAR001

Reference: RMA RA111277

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start **\*NR1\***

QC:

Date:

SPC (Y/N):

Date:

Stop **\*NR2\***Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

130

QC21- Final Inspection - Work Order Release

0.00

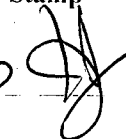
**\*130\***

QC

Memo

0.00

Quality Control

12/2/13 MF  
12-02-13

**Dart Aerospace Ltd**

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**NOTE:** Date & initial all entries

# Picklist Print

Wednesday, February 08, 2012 11:12:28 A

Page 1

Work Order ID: 73711

Parent Item: D205-665-015

Parent Item Name: Cable Guard

Start Date: 9/14/2011

Required Date: 9/15/2011

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:D Removed Manufacturing 06-06-19 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN4-47A Bolt		Purchased	No				Each	59.0000		-4			
				<u>Location</u>				<u>Loc Qty</u>					
				ST360				59					
				120229				9					
				120498				50					
AN4-55A bolt		Purchased	No				Each	9.0000					
				<u>Location</u>				<u>Loc Qty</u>					
				ST361				9					
				120276				9					
D2529 Washer		Manufactured	No				Each	603.0000					
				<u>Location</u>				<u>Loc Qty</u>					
				ST010				603					
				79221				403					
				79485				200					
D2570 Bushing		Manufactured	No				Each	383.0000					
				<u>Location</u>				<u>Loc Qty</u>					
				ST011				383					
				72960				41					
				78586				142					
				78587				200					
D2915 Bushing		Manufactured	No				Each	13.0000		-4			
				<u>Location</u>				<u>Loc Qty</u>					
				ST021				13					
				70887				8					
				78475				5					

M105978

M114056

B106753

B37759

B39590

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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Wednesday, February 08, 2012 11:12:28 A

Page 2

Work Order ID: 73711

Parent Item: D205-665-015

Parent Item Name: Cable Guard

Start Date: 9/14/2011

Required Date: 9/15/2011

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

Each

5,766.0000

-8

Nut

Location

Loc Qty

Loc Code

ST300

5766

117441

51

117601

157

118451

133

119017

425

119075

5000

NAS1149D0463J

Purchased

No

Each

2,813.0000

-2

Washer

Location

Loc Qty

Loc Code

ST298

2813

116805

0

118384

126

118612

3

119075

2515

119097

169

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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**NOTE:** Date & initial all entries

**RA 111277 D205-665-015**

**B70162 @ CHG 002**

Received @ Dart September 12<sup>th</sup>, 2011  
Inspected @ Dart September 13<sup>th</sup>, 2011

**Instructions to put D205-665-015 B70162 @ CHG 002**

- Kit is complete
- D parts need to be rebadged and identified under original **BATCH** #'s (they are attached)
- Paper work is opened therefor no good
- Needs to be put back in to stock under **NEW BATCH** #
- **Needs new labels and paper work**
- Need Work order to go back in to stock

*Scrap  
cable  
guards  
per  
ECR  
11-661*

*~~Kit is~~  
to be  
disassembled  
and  
returned to  
stock*

# Picklist Print

Monday, May 30, 2011 1:03:03 PM

Page 1

Work Order ID: 70162

Parent Item: D205-665-015

Parent Item Name: Cable Guard



## REFERENCE ONLY

Start Date: 5/30/2011

Required Date: 6/8/2011

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP Rev:D Removed Manufacturing 06-06-19 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
S <sub>M</sub> D2916-1 Cable Guard, 212 Skidtube		Manufactured	No			110	Each	1.0000	1	4			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST207		1							
				56257		1							
S <sub>M</sub> D2916-3 Cable Guard, 212 Skitube		Manufactured	No			110	Each	0.0000	1	4			
				11/6/15		SP		1372164					
S <sub>M</sub> D2916-5 Cable Guard, 212 Skidtube		Manufactured	No			110	Each	0.0000	1	4			
S <sub>M</sub> D2916-7 Cable Guard, 212 Skidtube		Manufactured	No			110	Each	8.0000	1	4			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST207		8							
				39594		8							
S <sub>M</sub> D2915 Bushing		Manufactured	No			110	Each	9.0000	4	16			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST026		9							
				39590		9							

3x  
B 70163  
11/6/15

1  
4  
B 56258  
11/6/15

4  
20/60  
11/6/16

4  
SP

16  
11/6/13  
SP (4)

8x 70857 10/11/12

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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Monday, May 30, 2011 1:03:03 PM

Page 2

Work Order ID: 70162

Parent Item: D205-665-015

Parent Item Name: Cable Guard

Start Date: 5/30/2011

Required Date: 6/8/2011

Start Qty: 4.00

Required Qty: 4.00

D2529

Manufactured No

110

Each

399.0000

2

8



Washer

Location

Loc Qty

Loc Code

ST016

399

66953

399

Manufactured No

110

Each

285.0000

8

32

D2570



Bushing

Location

Loc Qty

Loc Code

ST017

285

66933

1

67759

82

68103

202

Purchased No

110

Each

61.0000

4

16

AN4-47A



Bolt

Location

Loc Qty

Loc Code

ST361

61

105978

61

Purchased No

110

Each

11.0000

4

16

AN4-55A



bolt

Location

Loc Qty

Loc Code

ST361

11

114056

11

Monday, May 30, 2011 1:03:04 PM

Shop Packet Print

Page 2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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**NOTE:** Date & initial all entries

# Picklist Print

Monday, May 30, 2011 1:03:04 PM

Page 3

Work Order ID: 70162

Parent Item: D205-665-015

Parent Item Name: Cable Guard



Start Date: 5/30/2011

Required Date: 6/8/2011

Start Qty: 4.00

Required Qty: 4.00

MS21042L4

Purchased

No

110

Each

4,441.000

8

32



Nut

Location

Loc Qty

Loc Code

ST300

4441

116823

641

117441

3000

117601

800

NAS1149D0463J

Purchased

No

110

Each

3,635.000

2

8



Washer

Location

Loc Qty

Loc Code

FP-B

8

116805

8

ST298

3627

116025

26

116805

0

117291

1001

117460

1600

117591

1000

Monday, May 30, 2011 1:03:05 PM

Shop Packet Print

Page 3



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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# **ENGINEERING CHANGE NOTICE** **DART AEROSPACE LTD**

Date: 11.10.31	Job No.: RD2396	ADR Yes/No: N	ADR Date:	ECN #: 11- 661
Product No.: D205-634 / <u>D205-665 / D412-666 /</u>		Created By: RE	Approved By: <u>##</u>	
Product Name: Skidtube Installation Kit	<u>D412-673</u>	Checked By: <u>##</u>		

Distribution	Reqd	Resp	Initial / Date
Production Manager / Coord.	Y	LL/JLM	<u>MW 11-11-08</u>
Purchasing Coord.	N		
Production Engineering Coord.	Y	EC/DD	<u>11.11.08</u>

Distribution	Reqd	Resp	Initial / Date
DQA / QA Coord.	N		
QC Coordinator	N		
Customer Technical Support	Y	MB	<u>11.11.08</u>
Marketing	Y	SW	<u>SW 11-11-08</u>
Customer Order Processing	Y	SB	<u>SW 11-11-08</u>

Reason for Change: Add new kit and revise drawing D2916

**Documents Affected:**

MDL-D205-634 Rev. Q  
D205-665 Rev. F  
D2916 Rev. D  
D4445 Rev. A  
D4506 Rev. A

OSI 9152 Rev. E

**PARTS MUST COMPLY**



**PREVIOUS PARTS SATISFACTORY**



#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	Y	SW	See below	<u>SW 11-11-08</u>
2	Notify Eurocopter France	N			
3					

#	Engineering Actions	Reqd	Resp	Notes	Complete
4	Required Documents/Drawings Under Review	N			
5	Update Master Document List (MDL)	Y	RF	MDL-D205-634 Rev. Q	<u>RF 11.10.31</u>
6	Update Product Compatibility Matrix	N			
7	Create Eurocopter Form (FEE)	N			
8	Notify TC / FAA of Change	N			
9					

#	Document Control Actions	Reqd	Resp	Notes	Complete
10	Move Electronic Files/Design Journal	Y	KJ		<u>11.11.08</u>
11	Update Product Specification Files	Y	KJ		<u>11.11.08</u>
12	Update Approved/Preliminary Dwg PDF Files	Y	KJ		<u>11.11.08</u>
13	Update Document Record (DR)	N			
14	Update Product Development Summary	N			
15	Update QSI 021 and/or STC Approval List	N			
16	Update Parts / STC Database	Y	KJ		<u>11.11.08</u>
17	Update / Verify ARC Database	Y	KJ		<u>11.11.08</u>
18	Create / Update Change Record Form / Item Card Database	Y	KJ		<u>11.11.08</u>
19	Create / Update PPP's	Y	KJ		<u>11.11.08</u>
20	Red Decals required?	N			<u>11.11.08</u>
21	Update Document Control Database / Laminated Dwgs	N			
22	Update Grey Project / Electronic Binder PDF Files	Y	KJ		<u>11.11.08</u>
23	Update D-Part/M-Drawing/DSI/DEO Master Binders	Y	KJ		<u>11.11.08</u>
24					

**Description / Action:**

- 1) Update CNC program for D2916 per Revision D
- 2) This update of D2916 Rev. D is part of the D205-665-015 CHG 003 revision
- 3) Create BOMS and routes to produce D205-665-019.
- 4) Add D205-665-019 Kit at CHG 001
- 5) CNC Programs already created for D4445-1.
- 6) Send D205-665-019 Kit to Larry Kelley at VIH Cougar for review.

ECN Verified & Complete: WMP

Date: 11/12/12

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